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Zhibin Ren, Reg. No. 47,897

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Philippe Seguela, et al.  
Appl. No.: 09/530,233  
Filed: April 26, 2000  
Title: DNA ENCODING A HUMAN PROTON-GATED ION CHANNEL  
AND USES THEREOF  
TC/A.U.: 1646  
Examiner: M. Pak  
Docket No.: 641050.90021

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**RESPONSE**

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Sir:

In response to the Office Action dated February 9, 2004, please amend the above-identified U.S. patent application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 4 of this paper.